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=> s GDNFR##
L1          204 GDNFR##

=> s l1 and (1990-2000/py)
1 FILES SEARCHED...
L2          140 L1 AND (1990-2000/PY)

=> s l1 (20a) rat
L3          34 L1 (20A) RAT

=> s l3 and (1990-2000/py)
L4          21 L3 AND (1990-2000/PY)

=> duplicate remove
ENTER L# LIST OR (END):14
DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS, USPATFULL, PCTFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L4
L5          18 DUPLICATE REMOVE L4 (3 DUPLICATES REMOVED)

=> d 1-18

L5 ANSWER 1 OF 18  USPATFULL on STN
AN      2003:6968  USPATFULL
TI      GDNF receptor
IN      Klein, Robert D., South San Francisco, CA, United States
        Moore, Mark W., San Francisco, CA, United States
        Rosenthal, Arnon, Burlingham, CA, United States
        Ryan, Anne M., Millbrae, CA, United States
PA      Genentech, Inc., South San Francisco, CA, United States (U.S.
        corporation)
PI      US 6504007          B1      20030107
        WO 9733912  19970918
AI      US 1997-860370      19970606 (8)
        WO 1997-US4363      19970313
        19970606  PCT 371 date
RLI     Continuation-in-part of Ser. No. US 1996-618236, filed on 14 Mar 1996,
        now abandoned Continuation-in-part of Ser. No. US 1996-615902, filed on
        14 Mar 1996, now abandoned
DT      Utility
FS      GRANTED
LN.CNT  4881
INCL    INCLM: 530/350.000
        INCLS: 930/010.000
NCL     NCLM: 530/350.000
        NCLS: 930/010.000
IC      [7]
        ICM: C07K014-71
EXF     536/23.1; 536/23.4; 536/23.5; 435/69.1; 435/325; 435/320.1; 530/350;
        930/10
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 18  USPATFULL on STN
AN      2000:18243  USPATFULL
TI      Neurturin receptor
IN      Klein, Robert D., Palo Alto, CA, United States
        Rosenthal, Arnon, Burlingame, CA, United States
        Hynes, Mary A., San Mateo, CA, United States
PA      Genentech, Inc., United States (U.S. corporation)
PI      US 6025157          20000215
AI      US 1997-957063      19971024 (8)
PRAI    US 1997-38839P      19970218 (60)
        US 1997-49818P      19970609 (60)
DT      Utility

```

FS Granted
 LN.CNT 5116
 INCL INCLM: 435/069.100
 INCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.100; 536/023.500
 NCL NCLM: 435/069.100
 NCLS: 435/320.100; 435/325.000; 536/023.100; 536/023.500
 IC [7]
 ICM: C12P021-06
 ICS: C12N015-00; C07H021-02; C07H021-04
 EXF 536/23.5; 536/23.1; 435/325; 435/320.1; 435/69.1; 800/8
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 18 USPATFULL on STN
 AN 1999:33829 USPATFULL
 TI Glial cell line-derived neurotrophic factor regulation of ureteric budding and growth
 IN Sariola, Hannu, Oravatie 15 FIN-00800, Helsinki, Finland
 Sainio, Kirsi, Maasalvantie 10 C 10 FIN-00710, Helsinki, Finland
 Suvanto, Petro, Neilikkatie 4a4 FIN-01300, Vantaa, Finland
 Arumae, Urmas, Niittykatu 3d53 FIN-02200, Helsinki, Finland
 Lindahl, Maria, Haukiverkko 17 as. 4 FIN-02170, Espoo, Finland
 Saarma, Mart, Kulosaaren Puistotie 36B 15, FIN-00570, Helsinki, Finland
 PI US 5882923 19990316 <--
 AI US 1997-884176 19970627 (8)
 DT Utility
 FS Granted
 LN.CNT 1414
 INCL INCLM: 435/325.000
 INCLS: 435/368.000; 435/369.000; 435/375.000; 435/384.000; 514/002.000
 NCL NCLM: 435/325.000
 NCLS: 435/368.000; 435/369.000; 435/375.000; 435/384.000; 514/002.000
 IC [6]
 ICM: C12N005-00
 ICS: C12N005-02; C12N005-08; A61K038-18
 EXF 514/2; 514/12; 514/22; 435/325; 435/384; 435/368; 435/369; 435/375
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN
 AN 1999053028 PCTFULL ED 20020515
 TIEN PNS CELL LINES AND METHODS OF USE THEREFOR
 TIFR LIGNEES DE CELLULES DU SNP ET LEUR METHODE D'UTILISATION
 IN SAH, Dinah, W., Y.;
 RAYMON, Heather, K.
 PA SIGNAL PHARMACEUTICALS, INC.
 LA English
 DT Patent
 PI WO 9953028 A1 19991021
 DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
 ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD
 SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE
 LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
 CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
 CI CM GA GN GW ML MR NE SN TD TG
 AI WO 1999-US8167 A 19990414
 PRAI 1998-09/060,409 19980414
 US 1998-09/060,409 19980414
 ICM C12N005-06
 ICS C12N005-10; C12N015-86; G01N033-50; A61K048-00; C12Q001-68

L5 ANSWER 5 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN
 AN 2000:145890 BIOSIS
 DN PREV200000145890

TI Distribution of GDNF and **GDNFR** alpha in **rat** cerebellum during postnatal development.
 AU Hafidi, A. [Reprint author]; Bing, R.; Dastugue, B. [Reprint author]; Hillman, D. E.
 CS Faculte de Medecine, INSERM U384, Clermont-Ferrand, 63001, France
 SO Society for Neuroscience Abstracts, (1999) Vol. 25, No. 1-2, pp. 1272. print.
 Meeting Info.: 29th Annual Meeting of the Society for Neuroscience. Miami Beach, Florida, USA. October 23-28, 1999. Society for Neuroscience. ISSN: 0190-5295.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 19 Apr 2000
 Last Updated on STN: 4 Jan 2002

L5 ANSWER 6 OF 18 MEDLINE on STN DUPLICATE 1
 AN 1999146858 MEDLINE
 DN PubMed ID: 10022966
 TI Expression of neurotrophins, GDNF, and their receptors in rat thyroid tissue.
 AU Belluardo N; Mudo G; Caniglia G; Corsaro M; Cheng Q; Frasca F; Belfiore A; Condorelli D F
 CS Institute of Human Physiology, Faculty of Medicine, University of Palermo, Palermo, Italy.
 SO Cell and tissue research, (1999 Mar) 295 (3) 467-75.
 Journal code: 0417625. ISSN: 0302-766X.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199904
 ED Entered STN: 19990426
 Last Updated on STN: 20000303
 Entered Medline: 19990413

L5 ANSWER 7 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN
 AN 1998054213 PCTFULL ED 20020514
 TIEN NEUROTROPHIC FACTOR RECEPTORS
 TIFR RECEPTEURS DU FACTEUR NEUROTROPE
 IN FOX, Gary, M.;
 JING, Shuqian;
 WEN, Duanzhi
 PA AMGEN INC.
 LA English
 DT Patent
 PI WO 9854213 A2 19981203
 DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
 FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR
 LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG
 SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD
 SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
 FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
 ML MR NE SN TD TG
 AI WO 1998-US8486 A 19980427
 PRAI 1997-08/866,354 19970530
 US 1997-08/866,354 19970530
 ICM C12N015-12
 ICS C07K014-71; A61K038-17; C07K016-28

L5 ANSWER 8 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN
 AN 1998052591 PCTFULL ED 20020514
 TIEN GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR RECEPTORS
 TIFR RECEPTEURS DU FACTEUR NEUROTROPHIQUE DERIVE DE LIGNES DE CELLULES

GLIALES
IN IBANEZ, Carlos, F.;
ARUMAE, Urmas;
SARIO LA, Hannu;
SUVANTO, Petro;
TRUPP, Miles;
SAARMA, Mart
PA CEPHALON INC.
LA English
DT Patent
PI WO 9852591 A1 19981126
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
ML MR NE SN TD TG

AI WO 1998-US9056 A 19980504
PRAI 1997-8/861,990 19970522
US 1997-8/861,990 19970522
ICM A61K038-00
ICS A01N037:18; C07K001:00; C07K014:00; C07K017:00

L5 ANSWER 9 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 1998036072 PCTFULL ED 20020514
TIEN NEURTURIN RECEPTOR
TIFR RECEPTEUR DE LA NEURTURINE
IN KLEIN, Robert, D.;
ROSENTHAL, Arnon;
HYNES, Mary, A.
PA GENENTECH, INC.
LA English
DT Patent
PI WO 9836072 A1 19980820
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML
MR NE SN TD TG

AI WO 1998-US3179 A 19980217
PRAI 1997-08/802,805 19970218
US 1997-08/802,805 19970218
US 1997-08/871,913 19970609
US 1997-08/871,913 19970609
US 1997-08/957,063 19971024
US 1997-08/957,063 19971024
ICM C12N015-12
ICS C07K014-71; C07K019-00; C07K016-46; G01N033-68; C07K001-22; C07K016-28;
A61K038-17; A61K039-395; C12N015-85; C12N005-10; A01K067-027

L5 ANSWER 10 OF 18 MEDLINE on STN DUPLICATE 2
AN 1998250814 MEDLINE
DN PubMed ID: 9582449
TI Up-regulation of **GDNFR**-alpha and c-ret mRNA in facial motor
neurons following facial nerve injury in the **rat**.
AU Burazin T C; Gundlach A L
CS The University of Melbourne, Clinical Pharmacology and Therapeutics Unit,
Department of Medicine, Austin and Repatriation Medical Centre,
Heidelberg, Victoria 3084, Australia.
SO Brain research. Molecular brain research, (1998 Apr) 55 (2)
331-6.

Journal code: 8908640. ISSN: 0169-328X.

CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199901
ED Entered STN: 19990115
Last Updated on STN: 20000303
Entered Medline: 19990105

L5 ANSWER 11 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 1997049798 PCTFULL ED 20020514
TIEN GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR REGULATION OF URETERIC
BUDDING AND GROWTH, AND OF ENTERIC INNERVATION
TIFR REGULATION DU BOURGEONNEMENT URETERAL ET DE LA CROISSANCE URETERALE PAR
LE FACTEUR NEUROTROPHIQUE DERIVE DES LIGNEES CELLULAIRES GLIALES, ET
REGULATION DE L'INNERVATION ENTERIQUE
IN SARIOLO, Hannu;
SAINIO, Kirsi;
SUVANTO, Petro;
ARUMAeE, Urmas;
LINDAHL, Maria;
SAARMA, Mart
PA UNIVERSITY OF HELSINKI
LA English
DT Patent
PI WO 9749798 A1 19971231
DS W: CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
AI WO 1997-IB939 A 19970627
PRAI 1996-60/021,964 19960627
US 1996-60/021,964 19960627
ICM C12N005-08
ICS A61K038:18

L5 ANSWER 12 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 1997040152 PCTFULL ED 20020514
TIEN GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR RECEPTOR
TIFR RECEPTEUR DE GDNF
IN FOX, Gary, M.;
WEN, Duanzhi;
JING, Shuqian
PA AMGEN INC.
LA English
DT Patent
PI WO 9740152 A1 19971030
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM
TR TT UA UG UZ VN YU GH KE LS MW SD SZ UG AM AZ BY KG KZ
MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL
PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
AI WO 1997-US6281 A 19970415
PRAI 1996-60/015,907 19960422
US 1996-60/015,907 19960422
US 1996-60/017,221 19960509
US 1996-60/017,221 19960509
US 1997-8/837,199 19970414
US 1997-8/837,199 19970414
ICM C12N015-12
ICS C07K014:71; C07K016:28; A61K038:17; C12N001:21; C12N005:10; C12N005:16;
G01N033:68; A61K009:48

L5 ANSWER 13 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 1997039629 PCTFULL ED 20020514

TIEN VIRAL VECTORS INCLUDING POLYNUCLEOTIDES ENCODING NEUROTROPHIC FACTORS
 AND USES THEREFOR
 TIFR VECTEURS VIRAUX INCLUANT DES POLYNUCLEOTIDES CODANT DES FACTEURS
 NEUROTROPHIQUES AINSI QUE LEUR UTILISATION
 IN BOHN, Martha, C.;
 CHOI-LUNDBERG, Derek;
 LIN, Qing;
 FIGLEWICZ, Denise, A.;
 CHANG, Yung-Nien;
 CHIANG, Yawen, L.
 PA GENETIC THERAPY, INC.;
 UNIVERSITY OF ROCHESTER;
 BOHN, Martha, C.;
 CHOI-LUNDBERG, Derek;
 LIN, Qing;
 FIGLEWICZ, Denise, A.;
 CHANG, Yung-Nien;
 CHIANG, Yawen, L.
 LA English
 DT Patent
 PI WO 9739629 A1 19971030
 DS W: AU CA JP NZ US AT BE CH DE DK ES FI FR GB GR IE IT LU MC
 NL PT SE
 AI WO 1997-US6560 A 19970424
 PRAI 1996-8/636,548 19960425
 US 1996-8/636,548 19960425
 US 1997-8/796,278 19970207
 US 1997-8/796,278 19970207
 ICM A01N043-04
 ICS A01N063:00; A01N065:00; A61K031:70; A61K048:00; C12N015:00; C12N015:09;
 C12N015:63; C12N015:70; C12N015:74
 L5 ANSWER 14 OF 18 PCTFULL COPYRIGHT 2005 Univentio on STN
 AN 1997033912 PCTFULL ED 20020514
 TIEN USES OF GDNF AND GDNF RECEPTOR
 TIFR UTILISATIONS DE GDNF ET DE RECEPTEURS DE GDNF
 IN KLEIN, Robert, D.;
 MOORE, Mark, W.;
 ROSENTHAL, Arnon;
 RYAN, Anne, M.
 PA GENENTECH, INC.;
 KLEIN, Robert, D.;
 MOORE, Mark, W.;
 ROSENTHAL, Arnon;
 RYAN, Anne, M.
 LA English
 DT Patent
 PI WO 9733912 A2 19970918
 DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
 FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU
 LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ
 TM TR TT UA UG US UZ VN GH KE LS MW SD SZ UG AM AZ BY KG
 KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC
 NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
 AI WO 1997-US4363 A 19970313
 PRAI 1996-8/615,902 19960314
 US 1996-8/615,902 19960314
 US 1996-8/618,236 19960314
 US 1996-8/618,236 19960314
 ICM C12N015-12
 ICS C07K014:71; C07K016:28; C12N015:62; G01N033:68; A61K038:17; A01K067:027;
 C12N005:10; A61K039:00
 L5 ANSWER 15 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on

STN

AN 1997:529243 BIOSIS
DN PREV199799828446
TI Changes of **GDNFR**-alpha and GDNF mRNA levels in **rat**
sciatic nerve after lesion.
AU Zhong, J.; Birschmann, I.; Annies, M.; Tolle, A.; Heumann, Rolf
CS Mol. Neurobiochem., Ruhr Univ. Bochum, D-44780 Bochum, Germany
SO Society for Neuroscience Abstracts, (1997) Vol. 23, No. 1-2, pp. 1451.
Meeting Info.: 27th Annual Meeting of the Society for Neuroscience. New
Orleans, Louisiana, USA. October 25-30, 1997.
ISSN: 0190-5295.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 12 Dec 1997
Last Updated on STN: 12 Dec 1997

L5 ANSWER 16 OF 18 MEDLINE on STN DUPLICATE 3
AN 97402208 MEDLINE
DN PubMed ID: 9259272
TI Cloning, mRNA distribution and chromosomal localisation of the gene for
glial cell line-derived neurotrophic factor receptor beta, a homologue to
GDNFR-alpha.
AU Suvanto P; Wartiovaara K; Lindahl M; Arumae U; Moshnyakov M;
Horelli-Kuitunen N; Airaksinen M S; Palotie A; Sariola H; Saarma M
CS Institute of Biotechnology, University of Helsinki, Finland..
petro.suvanto@helsinki.fi
SO Human molecular genetics, (1997 Aug) 6 (8) 1267-73.
Journal code: 9208958. ISSN: 0964-6906.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AF003825; GENBANK-H05619; GENBANK-H12981; GENBANK-R02135;
GENBANK-R02249; GENBANK-T03342; GENBANK-U59486; GENBANK-U93703;
GENBANK-V93703; GENBANK-W73633; GENBANK-W73681; GENBANK-Z43761
EM 199710
ED Entered STN: 19971224
Last Updated on STN: 20000303
Entered Medline: 19971030

L5 ANSWER 17 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on
STN
AN 1997:470180 BIOSIS
DN PREV199799769383
TI Expression of mRNAs for Ret, **GDNFR**-alpha and NTNR-alpha in
identified **rat** lumbar DRG cell populations.
AU Michael, G. J. [Reprint author]; Klein, R. D.; Phillips, H. S.; Priestley,
J. V. [Reprint author]
CS Dep. Anat., Queen Mary Westfield Coll., London E1 4NS, UK
SO Society for Neuroscience Abstracts, (1997) Vol. 23, No. 1-2, pp. 623.
Meeting Info.: 27th Annual Meeting of the Society for Neuroscience, Part
1. New Orleans, Louisiana, USA. October 25-30, 1997.
ISSN: 0190-5295.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 4 Nov 1997
Last Updated on STN: 4 Nov 1997

L5 ANSWER 18 OF 18 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on
STN

AN 1997:470176 BIOSIS
DN PREV199799769379
TI Localization of **GDNFR**-alpha and c-ret mRNAs in **rat**
CNS: Co-ordinate up-regulation after facial nerve crush and resection?.
AU Gundlach, A. L.; Burazin, T. C. D.
CS Univ. Melbourne, Dep. Med., Austin Repatriation Med. Centre, Heidelberg,
VIC 3084, Australia
SO Society for Neuroscience Abstracts, (1997) Vol. 23, No. 1-2, pp. 622.
Meeting Info.: 27th Annual Meeting of the Society for Neuroscience, Part
1. New Orleans, Louisiana, USA. October 25-30, 1997.
ISSN: 0190-5295.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 4 Nov 1997
Last Updated on STN: 4 Nov 1997